

TECHNICAL SUPPORT FOR ENFORCEMENT AT
HAZARDOUS WASTE SITES

Mike Kog -
2 copies
for you

Monthly Progress Report No. 3, for the
period: April 1, 1984 through April 30, 1984

Non-Responsive



Prepared for

931628

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460

Non-Responsive

Contract No. 68-01-6769
Work Assignment No. 84-163
Effective Date: 2/10/84

Chemist, Will Wood -
Reilly Tar, MN

May 1984

GCA CORPORATION
GCA/TECHNOLOGY DIVISION
Bedford, Massachusetts 01730

1.0 WORK ASSIGNMENT DESCRIPTION

The purpose of this work assignment is to provide expert witness/consultation for collection and subsequent analysis of low levels of hazardous materials in ground water beneath the Reilly Tar site. The sampling method will be validated and then samples will be collected at the site and shipped to the selected laboratory for analysis.

EPA Coordinators: Paul Bitter, Region V
Sharon Foote - HQ

Subcontractor: Willard E. Wood

GCA Personnel: Barbara Myatt

Deliverables: GCA will submit briefings, as necessary, and a final report by 10 June 1984. Period of performance is through 10 June 1984.

2.0 TECHNICAL OBJECTIVES FOR THIS REPORTING PERIOD

To subcontract Will Wood to perform work on this work assignment and Will Wood to begin work; review of protocol for QA requirements.

3.0 WORK ACCOMPLISHED/RESULTS ACHIEVED

A detailed cost quotation for performance of work on this task was received from Will Wood on April 25, 1984. A subcontract was prepared and copies sent simultaneously to Will Wood for signature and to EPA for approval.

In a telecon with Paul Bitter of EPA on April 19, 1984, GCA was informed that EPA was having difficulty obtaining a laboratory to participate in this project. EPA Headquarters is continuing to work on this problem, but until a laboratory is determined, no technical work may be performed on this task.

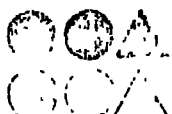
During the period, the QA Manager completed her review of the Wood and Kimble sampling and analytical protocol. She determined that the "Protocol for Pollutant Source Identification Study" satisfies the requirements of a QA Project Plan and approved the Protocol in lieu of a separate QA Project Plan. Her QA Review Report is included as an attachment to this monthly report.

4.0 PROBLEMS ENCOUNTERED AND REMEDIAL ACTIONS TAKEN

No problems were encountered during the reporting period.

5.0 ACTIVITIES ANTICIPATED FOR THE NEXT REPORTING PERIOD

Following subcontract approval and determination of an analytical laboratory, Will Wood may begin work.



Technology Division

1-625-163 Files

3 April 1984

R. M. Ellersick

QA Review of "Protocol for Pollutant Source Identification Study"

This 147 page Protocol was reviewed for its suitability as a QA Project Plan for the sampling and analysis activities related to the Reilly Tar site to be conducted by Chemist Bill Wood under subcontract to GCA on this Work Assignment. Although the Protocol does not exactly follow the EPA format given in "Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans", the most important information is provided in great detail. The review copy does not identify the isotopically-labeled compounds to be used as field and laboratory standards for analysis of semivolatile and volatile organic compounds; these compounds can be specified by the analytical laboratory.

In my opinion, this document fully satisfies the requirement for a QA Project Plan for this Work Assignment; this memo constitutes GCA approval of the Protocol in lieu of a QA Project Plan.


RoseMary Ellersick
QA Manager

RME/cf

cc: P. Bitter, EPA

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Office of Waste Programs Enforcement
Washington, D.C. 20460

Non-Responsive

Contract No. 68-01-6769
Work Assignment No. 84-164
Effective Date: 2/10/84

Expert Witness, Dr. Brenda Kimble -
Reilly Tar, MN

May 1984

GCA CORPORATION
GCA/TECHNOLOGY DIVISION
Bedford, Massachusetts 01730

1.0 WORK ASSIGNMENT DESCRIPTION

The purpose of this work assignment is to provide expert witness/consultation for analysis and identification of low levels of hazardous materials in ground water beneath the Reilly Tar site. The analytical laboratory will be evaluated and selected. Following collection at the site, samples will be shipped to the laboratory for analysis. Quality assurance and chain-of-custody procedures will be monitored. Analytical data will be interpreted.

EPA Coordinators: Paul Bitter, Region V
Sharon Foote - HQ

Subcontractor: Dr. Brenda Kimble

GCA Personnel: Barbara Myatt

Deliverables: GCA will submit briefings, as necessary, and a final report by 10 June 1984. Period of performance is through 10 June 1984.

2.0 TECHNICAL OBJECTIVES FOR THIS REPORTING PERIOD

To subcontract Dr. Brenda Kimble to perform work on this work assignment and Dr. Kimble to begin work. QA Review of protocol to be completed.

3.0 WORK ACCOMPLISHED/RESULTS ACHIEVED

Problems with subcontracting Dr. Kimble have not yet been resolved. Dr. Kimble has agreed to submit to GCA a written statement of her objection to the subcontract and her proposed revisions to the language of the clause in question. GCA could then request that EPA revise our Prime Contract so that we may accommodate Dr. Kimble. The delays caused by this procedure are not detrimental to the progress of the task because of the present lack of an analytical laboratory.

In a telecon with Paul Bitter of EPA on April 19, 1984, GCA was informed that EPA was having difficulty obtaining a laboratory to participate in this project. EPA Headquarters is continuing to work on this problem, but until a laboratory is determined, no technical work may be performed on this task.

During the period, the QA Manager completed her review of the Wood and Kimble sampling and analytical protocol. She determined that the "Protocol for Pollutant Source Identification Study" satisfies the requirements of a QA Project Plan and approved the Protocol in lieu of a separate QA Project Plan. Her QA Review Report is included as an attachment to this monthly report.

4.0 PROBLEMS ENCOUNTERED AND REMEDIAL ACTIONS TAKEN

No problems were encountered during the reporting period.

5.0 ACTIVITIES ANTICIPATED FOR THE NEXT REPORTING PERIOD

Pending resolution of subcontracting problems, Dr. Brenda Kimble will be subcontracted to perform work on this assignment. She will begin work when a laboratory is obtained by EPA.



213 Burlington Road
Bedford Mass 01730
(617) 275 5144

To 1-625-164 Files


Date 3 April 1984

From R. M. Ellersick

Subject QA Review of "Protocol for Pollutant Source Identification Study"

This 147 page Protocol was reviewed for its suitability as a QA Project Plan for the analytical and quality assurance activities related to the Reilly Tar Site to be conducted by Expert Witness, Dr. Brenda Kimble under subcontract to GCA on this Work Assignment. Although the Protocol does not exactly follow the EPA format given in "Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans" the most important information is provided in great detail. The review copy does not identify the isotopically-labeled compounds to be used as field and laboratory standards for analysis of semivolatile and volatile organic compounds; these compounds can be specified by the analytical laboratory.

In my opinion, this document fully satisfies the requirement for a QA Project Plan for this Work Assignment; this memo constitutes GCA approval of the Protocol in lieu of a QA Project Plan.


RoseMary Ellersick
QA Manager

RME/cf

cc: P. Bitter, EPA

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TECHNICAL SUPPORT FOR ENFORCEMENT AT
HAZARDOUS WASTE SITES

Mike -
2 for you

Monthly Progress Report No. 10, for the period:
April 1 through April 30, 1984

Non-Responsive

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460

Non-Responsive

Contract No. 68-01-6769
Work Assignment No. 83-17
Effective Date: 7/19/83

Reilly Tar - Hydrogeology

Region V

May 1984

GCA CORPORATION
GCA/TECHNOLOGY DIVISION
Bedford, Massachusetts

1.0 WORK ASSIGNMENT DESCRIPTION

The purpose of this Work Assignment is to provide analysis of ground water contaminants, assist litigation teams, and prepare enforcement support documents for the Reilly tar case in St. Louis Park, MN.

EPA Coordinators: Michael Kosakowski - HQ
Paul Bitter - Region V

Subcontractors: Geraghty and Miller, Inc.

GCA Personnel: Russell Wilder
Pablo Huidobro
Diane Heineman

Deliverables: Briefing - to be determined
Draft Final Report - to be determined

2.0 TECHNICAL OBJECTIVES FOR THIS REPORTING PERIOD

Await direction from EPA to provide litigation support.

3.0 WORK ACCOMPLISHED/RESULTS ACHIEVED

GCA contacted Paul Bitter concerning utilization of this support. He informed us that he still intended to utilize Geraghty and Miller and would let us know.

4.0 PROBLEMS ENCOUNTERED AND REMEDIAL ACTIONS TAKEN

There were no technical or managerial problems encountered during the reporting period.

5.0 ACTIVITIES ANTICIPATED FOR THE NEXT REPORTING PERIOD

Upon request and under the direction of the EPA Project Officer, services will be provided as required.

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TECHNICAL SUPPORT FOR ENFORCEMENT AT
HAZARDOUS WASTE SITES

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Monthly Progress Report No. 9, for the period:
March 1 through March 31, 1984

Non-Responsive

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460

Non-Responsive

Contract No. 68-01-6769
Work Assignment No. 83-17
Effective Date: 7/19/83

Reilly Tar - Hydrogeology

Region V

April 1984

GCA CORPORATION
GCA/TECHNOLOGY DIVISION
Bedford, Massachusetts

1.0 WORK ASSIGNMENT DESCRIPTION

The purpose of this Work Assignment is to provide analysis of ground water contaminants, assist litigation teams, and prepare enforcement support documents for the Reilly tar case in St. Louis Park, MN.

EPA Coordinators: Michael Kosakowski - HQ
Paul Bitter - Region V

Subcontractors: Geraghty and Miller, Inc.

GCA Personnel: Russell Wilder
Pablo Huidobro
Diane Heineman

Deliverables: Briefing - to be determined
Draft Final Report - to be determined

(Period of Performance is through December 31, 1984)

2.0 TECHNICAL OBJECTIVES FOR THIS REPORTING PERIOD

Await direction from EPA to provide litigation support.

3.0 WORK ACCOMPLISHED/RESULTS ACHIEVED

GCA contacted Paul Bitter concerning utilization of this support. He informed us that he still intended to utilize Geraghty and Miller and would let us know.

4.0 PROBLEMS ENCOUNTERED AND REMEDIAL ACTIONS TAKEN

There were no technical or managerial problems encountered during the reporting period.

5.0 ACTIVITIES ANTICIPATED FOR THE NEXT REPORTING PERIOD

Upon request and under the direction of the EPA Project Officer, services will be provided as required.

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TECHNICAL SUPPORT FOR ENFORCEMENT AT
HAZARDOUS WASTE SITES

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Monthly Progress Report No. 3 for the
Period: March 1 through March 31, 1984

Non-responsive

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460

non-responsive

Contract No. 68-01-6769
Work Assignment No. 84-140
Effective Date: 1/24/84

Reilly Tar Chemical, MN, Expert Witness

Region V

April 1984

GCA CORPORATION
GCA/TECHNOLOGY DIVISION
Bedford, Massachusetts 01730

1.0 WORK ASSIGNMENT DESCRIPTION

The purpose of this task is to subcontract Warren Thompson, Ph.D., to assist EPA and DOJ attorneys in the Reilly Tar case. Dr. Thompson will provide input related to process technology and operation of the coal tar distillation plant at the site.

EPA Coordinators: Sharon Foote, Headquarters
Paul Bitter, Region V

Subcontractor: Warren Thompson, Ph.D.

GCA Personnel: Anne Marie Desmarais

Deliverables: Monthly Progress Reports
Draft Final Report

2.0 TECHNICAL OBJECTIVES FOR THIS REPORTING PERIOD

The technical objectives for this reporting period were to submit the Work Plan, subcontract Dr. Thompson, and begin work on the Work Assignment.

3.0 WORK ACCOMPLISHED/RESULTS ACHIEVED

Dr. Thompson was subcontracted and the Work Plan was submitted. GCA has not received a monthly report from Dr. Thompson reporting his activities during the reporting period.

4.0 PROBLEMS ENCOUNTERED AND REMEDIAL ACTION TAKEN

Dr. Thompson has not submitted a monthly report.

5.0 ACTIVITIES ANTICIPATED FOR THE NEXT REPORT PERIOD

Dr. Thompson will work on the Work Assignment.

non-responsive

TECHNICAL SUPPORT FOR ENFORCEMENT AT
HAZARDOUS WASTE SITES

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Monthly Progress Report No. 9, for the
period: March 1 through March 31, 1984

non-responsive

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460

non-responsive

Contract No. 68-01-6769
Work Assignment No. 83-032
Effective Date: 7-29-83

Drilling Logs Assessment,
Reilly Tar Site, Minnesota

Region V

April 1984

GCA CORPORATION
GCA/TECHNOLOGY DIVISION
Bedford, Massachusetts

1.0 WORK ASSIGNMENT DESCRIPTION

Prepare an evaluation of the geology of the Reilly Tar Site based on approximately 300 soil boring logs. The work will be accomplished in four tasks:

1. Preparation of Standardized Geologic Logs
2. Interpretation of Geologic Cross-Sections and Contour Plots
3. Assessment of Soil Boring Logs for Direct Evidence of the Presence of Coal Tar or Related Contaminants
4. Correlation of Geologic Strata with Drilling Data such as Blow Count.

EPA Coordinator: Michael Kosakowski - HQ
Paul Bitter - Region V

Subcontractors: No subcontractors

GCA Personnel: David Cogley
Pablo Huidobro
Diane Heineman
Tom Fitzgerald

Deliverables: Draft Final Report: October 6, 1983

2.0 TECHNICAL OBJECTIVES FOR THIS REPORTING PERIOD

Objectives for this reporting period were to continue preparation of the draft final report upon instructions from the Regional Contact.

3.0 WORK ACCOMPLISHED/RESULTS ACHIEVED

No work was accomplished during the reporting period.

4.0 PROBLEMS ENCOUNTERED AND REMEDIAL ACTION TAKEN

No problems were encountered during this reporting period.

5.0 ACTIVITIES ANTICIPATED FOR THE NEXT REPORTING PERIOD

The Regional Contact will be consulted for further instructions. Preparation of draft final report will continue.

non-responsive

Kos

**TECHNICAL SUPPORT FOR ENFORCEMENT AT
HAZARDOUS WASTE SITES**

**Monthly Progress Report No. 1, for the
period: July 19 through July 31, 1983**

Prepared for

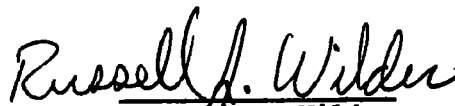
**U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460**

**Contract No. 68-01-6769
Work Assignment No. 83-17
Effective Date: 7/19/83**

Reilly Tar - Hydrogeology

Region V

August 1983


Russell J. Wilder

**GCA CORPORATION
GCA/TECHNOLOGY DIVISION
Bedford, Massachusetts 01730**

1.0 WORK ASSIGNMENT DESCRIPTION

The purpose of this Work Assignment is to provide analysis of ground water contaminants, assist litigation teams, and prepare enforcement support documents for the Reilly tar case in St. Louis Park, MN.

EPA Coordinators: Michael Kosakowski - HQ
Paul Bitter - Region V

Subcontractors: Geraghty and Miller, Inc.

GCA Personnel: Russell Wilder
Pablo Huidobro
Diane Heineman

Deliverables: Briefing - to be determined
Draft Final Report - to be determined

(Period of Performance is through December 31, 1984)

2.0 TECHNICAL OBJECTIVES FOR THIS REPORTING PERIOD

This work assignment was received at GCA on July 20, 1983. The objective for the reporting period was therefore to produce the work plan. GCA coordinated with EPA Headquarters and the Region in an attempt to more fully define the scope of work. Mr. James Geraghty was asked to supply cost data.

3.0 WORK ACCOMPLISHED/RESULTS ACHIEVED

Information was gathered from which to write the Work Plan.

4.0 PROBLEMS ENCOUNTERED AND REMEDIAL ACTIONS TAKEN

There were no technical or managerial problems encountered during the reporting period.

5.0 ACTIVITIES ANTICIPATED FOR THE NEXT REPORTING

A work plan will be produced and Geraghty and Miller will be retained under contract.

**TECHNICAL SUPPORT FOR ENFORCEMENT AT
HAZARDOUS WASTE SITES**

Kos

**Monthly Progress Report No. 1, for the
period: July 29 through July 31, 1983**

Prepared for

**U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, D.C. 20460**

**Contract No. 68-01-6769
Work Assignment No. 83-032
Effective Date: 7-29-83**

**Drilling Logs Assessment,
Reilly Tar Site, Minnesota**

Region V

August 1983


David Cogley

**GCA CORPORATION
GCA/TECHNOLOGY DIVISION
Bedford, Massachusetts**

1.0 WORK ASSIGNMENT DESCRIPTION

Prepare an evaluation of the geology of the Reilly Tar Site based on approximately 300 soil boring logs. The work will be accomplished in four tasks:

1. Preparation of Standardized Geologic logs.
2. Preparation of Geologic Cross Sections and Contour Plots.
3. Assessment of Soil Boring Logs for Direct Evidence of the Presence of Coal Tar or Related Contaminants.
4. Correlation of Geologic Strata with drilling data such as Blow Count.

EPA Coordinator: Michael Kosakowski - HQ
Paul Bitter - Region V

Subcontractors: No subcontractors

GCA Personnel: David Cogley
Pablo Huidobro
Dave P. Heineman
Daniel Goode
Tom Fitzgerald

Deliverables: Draft Final Report: October 6, 1983

2.0 TECHNICAL OBJECTIVES FOR THIS REPORTING PERIOD

This work assignment was received at GCA on August 3, 1983.

3.0 WORK ACCOMPLISHED/RESULTS ACHIEVED

No work was accomplished during this reporting period.

4.0 PROBLEMS ENCOUNTERED AND REMEDIAL ACTION TAKEN

No problems were encountered during this reporting period.

5.0 ACTIVITIES ANTICIPATED FOR THE NEXT REPORTING PERIOD

A Work Plan will be prepared to include GCA's technical response to the scope of work as described in the Work Assignment. GCA personnel will travel to Roseville, Minnesota to compile and standardize the existing boring logs.